

therefore, to regard the climatic forms of *Gluphisia* as permanent, probably produced by the action of natural selection to fit them to their surroundings. I class them as local races, by which I mean that they are constant in their

characters, but differ only slightly and in unessential particulars from the first described species.

I give below Dr. Packard's arrangement of *Gluphisia* and my own in parallel columns.

*Packard's Arrangement.*

1. *G. trilineata* Pack.  
var. *ridenda* Hy. Ed.  
    *rupta* Hy. Ed.
2. *G. albofascia* Hy. Ed.  
    *formosa* Hy. Ed.
3. *G. wrightii* Hy. Ed.  
    *severa* Hy. Ed.  
    *danbyi* Neum.  
    *avimacula* Huds.  
    var. *slossoniae* Pack.
4. *G. lintneri* Grt.

*Dyar's Arrangement.*

1. *G. trilineata* Pack.  
    race *ridenda* Hy. Ed.  
    race *quinquelinea* Dyar.
2. *G. albofascia* Hy. Ed.  
    *wrightii* Hy. Edw.  
    var. *rupta* Hy. Ed.
3. *G. formosa* Hy. Ed.
4. *G. severa* Hy. Ed.  
    var. *danbyi* Neum.  
    race *avimacula* Huds.  
    var. *slossonii* Pack.
5. *G. lintneri* Grt.

In tabular form, I separate the species as follows:—

Size small; no basal yellow dot (§ *Gluphisia*).

With a yellow (or black) central band on primaries.

Markings distinct . . . . . *trilineata*.

Markings confused and irrorate . . . . . *formosa*.

Pale, with no distinct yellowish markings . . . . . *albofascia*.

Size large; a basal yellow dot on median vein (§ *Eumelia*).

A yellow angular discal dot . . . . . *severa*.

No yellow discal dot . . . . . *lintneri*.

NOTES.—On September 12th I caught, in Brookline, Mass., a large, battered *Papilio cressphontes*, which was flying rather feebly about some *Salvias*. It is the only one I have seen flying in Massachusetts.

At Nonquitt, Mass., Miss Ida M. Eliot and I had two larvae, Arctians unknown to us and certainly not *acrea*, of a cream-white color. The body was cream-white with three broken, blackish, longitudinal lines. There

were no dark hairs. These larvae we fed on wild indigo-plant, *Baptisia tinctoria*, and after a few days the larger larva moulted, coming out of a deep, glossy, indigo-blue color, almost black. The smaller larva first moulted of a deep-blue gray color, then again of a deep blue like the other. These larvae grew to a length of nearly 3 inches, and were very striking in appearance.

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